

I Claim:

1. A noise and vibration mitigating mat having a top bottom surfaces comprising:
a first layer formed of recycled bound rubber products; the first layer having a
contoured bottom surface and a flat top surface;

5 a second layer adjacent the first layer, the second layer being formed of a fabric;
and,

a third layer being positioned adjacent the second layer and being formed of a
recycled rubber product.

10 2. The noise and vibration mitigating mat of claim 1 wherein the contoured bottom
surface has variations in thickness.

3. The noise and vibration mitigating mat of claim 2 wherein the mat is
manufactured in a continuous sheet.

15 4. The noise and vibration mitigating mat of claim 3 wherein the first and third
layers are cut from large cylindrical members each formed of Styrenebutadiene Rubber (SBR)
and natural rubber mixed with a polyurethane to form a plurality of voids therein.

20 5. The noise and vibration mitigating mat of claim 4 wherein the first layer is further
processed by a profiling machine which cuts the contour into the bottom surface.

6. The noise and vibration mitigating mat of claim 5 wherein the density of the third layer is greater than the density of the first layer.